

stand-alone media converter

SGFEB1040-140 & SGFEB4040-180

10/100/1000 Ethernet Media Converter



(-180)



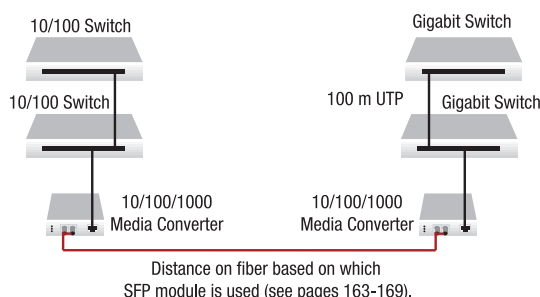
(-140)

- ▶ Extend Network Distance
- ▶ Bridge legacy 10/100 devices to a Gigabit backbone
- ▶ Protect critical networks with fiber redundancy

Features

- ▶ Auto-Negotiation (copper and fiber ports)
- ▶ Switch-selectable speeds (UTP) when Auto-Negotiation is off
- ▶ AutoCross™ [
- ▶ Pause
- ▶ Far-End-Fault (100Base-FX setting on -180 model port 1 only)
- ▶ Automatic Link Restoration
- ▶ Fiber Redundancy (<50ms switching time)
- ▶ SGMII support on port 1 for use with 10/100/1000Base-T copper SFPs (-180 model only)
- ▶ 100/1000Base-X, dual speed support on port 1 for use with 100Base-FX or 1000Base-SX/LX SFPs (-180 model only)

Extend Network Distance



Specifications

| | |
|-----------------------|--|
| Standards | IEEE 802.3, IEEE 802.3ab, IEEE 802.3u, IEEE 802.3z |
| Data Rate | TP (port 1): 10/100/1000 Mbps (-140 model only) SFP (port 1): 100/1000 Mbps (-180 model only) SFP (port 2,3): 1000 Mbps |
| Filtering Addresses | 8K MAC Addresses |
| Max Frame Size | 802.3ac tagged: 1628 bytes untagged: 1632 bytes |
| Status LEDs | PWR (Power): ON green = Power applied to card TP (Duplex/Link/Activity): Orange: ON = Half-duplex Link; BLINK = Activity; Green: ON = Full-duplex Link; BLINK = Activity TP (10 Mbs/100 Mbs/1000 Mbs): Off = 10 Mbs; Orange = 100 Mbs; Green = 1000 Mbs LACT (Fiber SFP Link/Activity): Green: ON = Link; BLINK = Activity |
| Dip Switches | Switch 1: TX - Enable/Disable Auto-Negotiation Switch 2: TX - Force 10 Mbs or 100 Mbs with Switch 1 off Switch 3: TX - Force Half or Full duplex with Switch 1 off Switch 4: Enable/Disable Fiber Redundancy (port 2/3) Switch 5: Enable/Disable primary/secondary revert with Switch 4 on Switch 6: Enable/Disable P2 to P3 blocking |
| Dip Switches | Switch 1: Port 1 speed 100 Mbs/1000 Mbs Switch 2: Port 1 duplex full/half Switch 3: Port 1 mode 1000Base-X/SGMII Switch 4: Enable/Disable Fiber Redundancy (port 2/3) Switch 5: Enable/Disable primary/secondary revert with Switch 4 on Switch 6: Enable/Disable P2 to P3 blocking |
| Dimensions | Width: 3.25" [82 mm] Depth: 4.8" [122 mm] Height: 1.0" [25 mm] |
| Power | External AC/DC required: 12 VDC, 1.25 A, unregulated, standard |
| Power Consumption | 6 Watts |
| Environment | 0 – 50°C operating, -40°C – 85°C storage 5% – 95% humidity non-condensing, 0 – 10,000 ft. altitude |
| Shipping Weight | 2 lb. [0.9 kg] |
| Regulatory Compliance | CISPR/EN55022 Class A, EN55024, EN61000, FCC Class A, CE Mark |
| Safety Compliance | Wall Mount Power Supply: UL listed & CSA certified |
| Warranty | Lifetime |

Ordering Information

SGFEB1040-140
10/100/1000BASE-T (RJ-45)
[100 m/328 ft.]
to (2) 1000BASE-X SFP Slots (empty)

SGFEB4040-180
100/1000BASE-X SFP Slot (empty)
to (2) 1000BASE-X SFP Slots (empty)

Optional Accessories (sold separately)

SFP Modules

Wide Input (24 - 60 VDC) Power Supplies
SPS-2460-PS or SPS-2460-SA

Mounting Options

E-MCR-05
12-Slot Media Converter Rack

RMS19-SA4-01
4-Slot Media Converter Shelf

WMBD
DIN Rail Mount Bracket 5.0" [127 mm]

WMBL
Wall Mount Bracket 4.0" [102 mm]